



U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Infrastructure Security and Energy Restoration

ENERGY ASSURANCE DAILY

Thursday Evening, August 04, 2016

Electricity

Update: Dominion's 917 MW North Anna Nuclear Unit 2 in Virginia Restarts, Ramps Up to 30 Percent by August 4

The unit was shut from full power on July 30 due to unisolable reactor coolant system boundary leakage.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20160801en.html>

Update: TVA's 1,155 MW Browns Ferry Nuclear Unit 1 in Alabama Ramps Up to 98 Percent by August 4

On the morning of August 3 the unit was operating at 86 percent after restarting and ramping up to 59 percent. The unit was shut from 37 percent on July 27 and the cause was not immediately known.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

FPL's 565 MW Duane Arnold Nuclear Unit in Iowa Reduced to 76 Percent by August 4

On the morning of August 3 the unit was operating at 96 percent.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

AES's 336 MW Alamos Gas-fired Unit 4 in California Shut by August 3

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201608031515.html>

BHE Renewables' 276 MW Solar Star Unit 2 in California Reduced by August 3

The unit entered an unplanned curtailment of 219 MW.

<http://content.aiso.com/unitstatus/data/unitstatus201608031515.html>

Update: ERCOT Says Grid Continues to Be Strained by Heat Wave Hitting Texas August 4

Demand for electricity in Texas is forecast to reach the highest so far in 2016 on Thursday as the heat wave continues, according to the Electric Reliability Council of Texas (ERCOT), which expects supplies to be sufficient to meet peak demand. ERCOT, which operates the grid in most of the state, predicted demand would reach 69,589 MW on Thursday, topping the unofficial hourly high for the year of 68,800 MW set on Wednesday.

<http://www.ercot.com/>

Reuters, 12:36 August 4, 2016

Petroleum

Update: PES Plans to Restart FCCU at Its 335,000 b/d Philadelphia, Pennsylvania Refinery August 4 – Source

Philadelphia Energy Solutions (PES) plans to restart the 85,000 b/d fluid catalytic cracking unit (FCCU) at its Philadelphia, Pennsylvania refinery on Thursday, according to a source familiar with the plant's operations. The FCCU at the Girard point section of the refinery was shut last Wednesday, a source said.

Reuters, 13:29 August 4, 2016

Reuters, 19:50 August 3, 2016

Update: Valero Expects Hydrogen Plant Boiler at Its 190,000 b/d Memphis, Tennessee Refinery Back Next Week – Sources

Valero Energy Corp expects to return the hydrogen plant at the Memphis, Tennessee refinery to normal operation by early next week after completing repairs to a boiler, sources familiar with plant operations said on Thursday. Valero had hoped the boiler and hydrogen plant would be back in operation by Thursday, but repairs were delayed due to a lack of replacement parts, the sources said. The hydrogen plant shut down over the weekend.

Reuters, 11:39 August 4, 2016

BP Restarting Reformer, Blending Oil Unit at Its 413,500 b/d Whiting, Indiana Refinery August 4; Working to Fix Wastewater Malfunction August 3

BP Plc was restarting a reformer and a blending oil unit on Thursday at its Whiting, Indiana refinery, sources familiar with plant operations said. Production has been cut between 20 percent and 25 percent at the refinery since the weekend outage of the reformer and blending oil unit, the sources said. BP on Wednesday was working to stop a malfunction at the wastewater treatment plant of the refinery, which allowed greater-than-permitted amounts of industrial waste to go into Lake Michigan since last Friday, a company spokesman said. BP notified the Indiana Department of Environmental Management that this upset resulted in exceedances of BP's daily permit limit for total suspended solids, the BP spokesman said, adding it was a wastewater issue and there has been no leak or discharge of any hydrocarbons into Lake Michigan. The suspended solids are industrial waste particles that are supposed to be filtered out of wastewater before it is dumped into the lake.

Reuters, 19:59 August 3, 2016

Shell Says Oil Sheen at Dock Not from Its 316,000 b/d Deer Park, Texas Refinery August 4

Royal Dutch Shell reported it discovered an oil sheen at a dock, but added it was not from its Deer Park, Texas refinery, according to a community information line.

Reuters, 13:15 August 4, 2016

Phillips 66 Reports RTO Shut at Its 247,000 b/d Sweeny, Texas Refinery August 3

Phillips 66 reported Unit 56 - RTO was shut due to high vibrations in the air blower motor at its Sweeny, Texas, refinery on Wednesday. The Unit 56 - RTO was brought back online late Wednesday night.

Reuters, 11:44 August 4, 2016

Plains All American, Phillips 66 Announce STACK Pipeline Joint Venture, Expansion Plans in Oklahoma August 3

Plains All American Pipeline and Phillips 66 Partners on Wednesday announced the formation of STACK Pipeline LLC, a 50/50 limited liability company to own and operate a common carrier pipeline that transports crude oil from the Sooner Trend, Anadarko Basin, Canadian, and Kingfisher Counties (STACK) play in northwestern Oklahoma to Cushing, Oklahoma. Under the JV agreement, Plains contributed an existing terminal located at Cashion, Oklahoma with approximately 200,000 barrels of crude oil storage (Cashion Terminal) and an approximately 55-mile crude oil pipeline with a current capacity of approximately 100,000 b/d (STACK Pipeline), while Phillips 66 Partners contributed \$50 million cash, which will be distributed to Plains, in exchange for a 50 percent interest in the JV. The JV plans to invest an estimated \$15 million to expand the STACK Pipeline. The work will include constructing a truck station at Highway 33, approximately 12 miles northwest of the Cashion Terminal, a lateral pipeline to connect the Highway 33 station to the Cashion Terminal, and 100,000 barrels of storage at the Cashion Terminal. Additional expansion opportunities, including expanding the capacity of the STACK Pipeline through looping the pipeline from the Cashion Terminal to Cushing, as well as other gathering opportunities, are also being pursued. The STACK Pipeline and the initial expansion are supported by multiple long-term contracts as well as legacy production gathered by existing Plains crude oil pipelines that originate in western Oklahoma.

<http://ir.paalp.com/profiles/investor/ResLibraryView.asp?ResLibraryID=82164&BzID=789&g=549&Nav=0&LangID=1&s=0>

Sunoco Says Its Delaware Basin, Permian Longview and Louisiana Extension Crude Oil Pipeline Projects Ramping Up August 3

Sunoco Logistics has commenced operations on its Delaware Basin extension and Permian Longview and Louisiana extension crude pipelines, with ramp up through the third quarter, executives said on Wednesday. The pipelines will reach full operations in the fourth quarter, executives added.

<http://www.sunocologistics.com/SiteData/docs/8K8032016Q/4ff81362afb8bfd8/8-K;%208-03-2016%20-%20Q2%202016%20Earnings%20Release.pdf>

Reuters, 9:09 August 4, 2016

Natural Gas

Regency Reports AGI Shut at Its 290 MMcf/d Waha Gas Plant in Texas August 3

Regency reported the acid gas injector (AGI) shut due to high fifth stage scrubber liquid levels. The scrubber was manually emptied of excess liquids and the AGI was reset and restarted.

<http://www2.tceq.texas.gov/oce/ee/index.cfm?fuseaction=main.getDetails&target=240767>

Other News

Nothing to report.

International News

Iraq's Crude Oil Production Rises to 4.6 Million b/d in July – SOMO

Iraq's crude oil production in July rose to the highest level since January, as the country's supply slowly gets back on track despite low oil prices and a conflict with Islamic State militants. The country pumped 4.632 million b/d of crude oil in July compared with 4.559 million b/d in June, state-run Oil Marketing Company (SOMO) said on Thursday. Iraq produced 4.775 million b/d in January, official data showed. Oil exports from the country's southern ports rose to 3.2 million b/d on average in July, up from 3.175 million b/d in June, officials said on Monday, despite a pipeline leak that restrained southern exports.

Reuters, 3:12 August 4, 2016

Energy Prices

U.S. Oil and Gas Prices			
August 4, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL			
West Texas Intermediate U.S.	41.87	41.08	45.70
\$/Barrel			
NATURAL GAS			
Henry Hub	2.88	2.80	2.75
\$/Million Btu			

Source: Reuters

Links

This Week in Petroleum from the U.S. Energy Information Administration (EIA)

<http://www.eia.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

Weekly Petroleum Status Report from EIA

http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

Updated after 10:30 AM & 1:00 PM ET every Wednesday.

Natural Gas Weekly Update from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM ET every Thursday.

ENERGY ASSURANCE DAILY

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<http://www.oe.netl.doe.gov/ead.aspx>

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